

Table CT3. Total End-Use Energy Consumption Estimates, Selected Years, 1960-2016, United States

Year	Coal	Net Imports- Coal Coke	Natural Gas ^a	Petroleum							Hydro- electric Power ^{f,g}	Biomass		Geo- thermal ^g	Solar ^{g,j}	Retail Electrici- ty Sales	Net Energy ^{g,k}	Electrical System Energy Losses ^l	Total ^{g,k}
				Distillate Fuel Oil	HGL ^b	Jet Fuel ^c	Motor Gasoline ^d	Residual Fuel Oil	Other ^e	Total		Wood and Waste ^{g,h}	Losses and Co- products ⁱ			Billion Kilowatt- hours			
	Million Short Tons	Billion Cubic Feet	Million Barrels							Billion Kilowatt- hours									
1960	221	(s)	10,242	681	227	136	1,453	475	525	3,498	4	--	--	--	--	688	--	--	--
1970	203	-2	17,208	903	447	353	2,111	493	719	5,026	3	--	--	--	--	1,392	--	--	--
1980	133	-1	16,196	1,022	582	389	2,408	527	^R 894	5,821	3	--	--	--	--	2,094	--	--	--
1990	122	(s)	15,929	1,086	622	556	2,641	264	^R 826	5,994	3	--	--	--	--	2,713	--	--	--
2000	98	3	18,127	1,332	891	631	3,101	194	^R 876	7,026	4	--	--	--	--	3,421	--	--	--
2001	96	1	16,896	1,375	803	604	3,143	137	^R 904	6,966	3	--	--	--	--	3,394	--	--	--
2002	89	2	17,355	1,356	838	589	3,229	151	^R 894	7,057	4	--	--	--	--	3,465	--	--	--
2003	90	2	17,141	1,406	805	576	3,261	144	^R 926	7,117	4	--	--	--	--	3,494	--	--	--
2004	91	6	16,939	1,466	829	597	3,333	177	^R 991	7,392	3	--	--	--	--	3,547	--	--	--
2005	88	2	16,145	1,483	783	613	3,343	196	^R 974	7,393	3	--	--	--	--	3,661	--	--	--
2006	86	2	15,477	1,509	779	596	3,377	194	^R 990	7,445	3	--	--	--	--	3,670	--	--	--
2007	83	1	16,262	1,516	800	592	3,389	201	^R 943	7,442	2	--	--	--	--	3,765	--	--	--
2008	80	2	16,609	1,431	748	563	3,290	189	^R 837	7,060	2	--	--	--	--	3,734	--	--	--
2009	64	-1	16,038	1,313	776	509	3,284	158	^R 748	6,788	2	--	--	--	--	3,597	--	--	--
2010	73	(s)	16,700	1,373	827	523	3,282	171	^R 763	6,939	2	--	--	--	--	3,755	--	--	--
2011	70	(s)	16,904	1,412	818	520	3,195	153	^R 745	^R 6,844	2	--	--	--	--	3,750	--	--	--
2012	66	(s)	16,428	1,360	841	512	3,178	123	^R 717	^R 6,730	2	--	--	--	--	3,695	--	--	--
2013	66	-1	17,964	1,387	913	524	3,228	104	^R 724	^R 6,880	4	--	--	--	--	3,725	--	--	--
2014	66	-1	18,447	1,459	891	537	3,256	79	^R 699	^R 6,922	1	--	--	--	--	3,765	--	--	--
2015	60	-1	^R 17,630	1,446	931	565	3,350	80	^R 711	^R 7,083	1	--	--	--	--	3,759	--	--	--
2016	53	-1	17,502	1,410	928	591	3,410	108	717	7,164	1	--	--	--	--	3,762	--	--	--
Trillion Btu																			
1960	5,604	-6	10,600	3,969	912	739	7,631	2,987	3,129	19,367	39	1,318	NA	NA	NA	2,348	39,270	5,809	45,079
1970	5,041	-58	17,645	5,260	1,689	1,973	11,091	3,099	4,293	27,404	34	1,427	NA	NA	NA	4,751	56,244	11,497	67,742
1980	3,303	-35	16,580	5,952	2,180	2,179	12,648	3,312	^R 5,299	31,571	33	2,467	NA	NA	NA	7,146	60,914	17,178	78,092
1990	2,909	5	16,419	6,326	2,309	3,129	13,872	1,657	^R 4,969	32,262	32	2,310	49	10	55	9,255	63,251	21,255	84,506
2000	2,356	65	18,590	7,753	3,288	3,580	16,167	1,220	^R 5,254	37,262	43	2,320	99	21	58	11,674	72,402	26,405	98,808
2001	2,293	29	17,340	8,000	2,960	3,426	16,386	859	^R 5,431	37,061	33	2,037	108	22	56	11,582	70,480	25,663	96,144
2002	2,120	61	17,793	7,892	3,076	3,340	16,829	947	^R 5,356	37,440	39	2,017	130	24	54	11,824	71,438	26,210	97,648
2003	2,139	51	17,632	8,180	2,968	3,265	16,968	902	^R 5,540	37,825	43	2,011	168	27	53	11,921	71,805	26,111	97,916
2004	2,161	138	17,380	8,530	3,047	3,383	17,333	1,111	^R 5,925	39,328	34	2,127	201	30	53	12,104	73,497	26,601	100,098
2005	2,058	44	16,596	8,630	2,878	3,475	17,378	1,235	^R 5,831	39,427	33	2,137	227	34	52	12,491	73,040	27,144	100,184
2006	1,984	61	15,899	8,757	2,841	3,379	17,531	1,220	^R 5,924	39,652	30	2,088	280	37	56	12,522	72,546	26,902	99,447
2007	1,943	25	16,707	8,770	2,912	3,358	17,472	1,262	^R 5,653	39,426	16	2,083	368	41	59	12,845	73,455	27,536	100,991
2008	1,872	41	17,049	8,274	2,727	3,193	16,865	1,191	^R 5,019	37,269	17	2,063	518	46	65	12,740	71,623	27,239	98,862
2009	1,468	-24	16,443	7,592	2,791	2,883	16,750	992	^R 4,486	35,495	19	1,949	602	54	69	12,272	68,285	25,809	94,094
2010	1,695	-6	17,083	7,934	2,976	2,963	16,668	1,074	^R 4,576	^R 36,190	17	^R 2,125	726	60	79	12,812	^R 70,718	26,826	^R 97,544
2011	1,628	11	17,281	8,153	2,898	2,950	16,191	965	^R 4,472	^R 35,630	18	^R 2,164	754	64	94	12,794	^R 70,382	26,516	^R 96,898
2012	1,560	4	16,826	7,850	2,991	2,901	16,089	772	^R 4,308	^R 34,911	23	^R 2,147	709	64	117	12,606	^R 68,909	25,545	^R 94,455
2013	1,588	-17	18,447	8,004	3,267	2,969	16,339	654	^R 4,332	^R 35,564	33	^R 2,373	707	64	^R 141	12,709	^R 71,558	25,665	^R 97,223
2014	1,569	-22	19,054	8,418	3,172	3,042	16,476	495	^R 4,197	^R 35,799	13	^R 2,395	755	64	172	12,845	^R 72,589	25,803	^R 98,392
2015	1,411	-18	^R 18,296	8,341	3,330	3,204	16,952	501	^R 4,270	^R 36,598	13	^R 2,228	774	64	^R 198	12,826	^R 72,335	25,076	^R 97,411
2016	1,230	-19	18,174	8,129	3,288	3,350	17,251	680	4,315	37,013	14	2,129	798	64	241	12,838	72,430	24,885	97,315

^a Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.^b Hydrocarbon gas liquids, include natural gas liquids and refinery olefins.^c Through 2004, includes kerosene-type and naphtha-type jet fuel. Beginning in 2005, includes kerosene-type jet fuel only; naphtha-type jet fuel is included in "Other Petroleum."^d Beginning in 1993, includes fuel ethanol blended into motor gasoline.^e Includes asphalt and road oil, aviation gasoline, kerosene, lubricants, petroleum coke, and the "other petroleum products" category. See Technical Notes, Section 4.^f Conventional hydroelectric power. For 1960 through 1989, includes pumped-storage hydroelectricity, which cannot be separately identified.^g There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.^h Wood, wood-derived fuels, and biomass waste. Prior to 2001, includes non-biomass waste.ⁱ Losses and co-products from the production of fuel ethanol.^j Solar thermal and photovoltaic energy. Includes a small amount of wind energy consumed by commercial and

industrial utility-scale facilities.

^k Beginning in 2009, includes a small amount of wind energy consumed by the commercial and industrial sectors. For 1981 through 1992, includes fuel ethanol blended into motor gasoline that is not included in the motor gasoline column. Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.^l Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

-- = Not applicable. NA = Not available. R = Revised data. (s) = Value less than +0.5 and greater than -0.5.

Notes: Total end-use consumption estimates are the sum of the consumption estimates for the residential, commercial, industrial, and transportation sectors. • Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.